



RLH Industries, Inc.

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PRODUCT
DATA SHEET

DS-178 2025-1006

4+2 Unmanaged Multi-Gigabit SFP+ Industrial Switch

ETH-42GX-1

Slim 10/100/1G/2.5G Ethernet and 1G/10G SFP+ Ports

The RLH 4+2 Industrial Unmanaged 2.5G SFP+ Switch is a high-performance networking solution built to sustain critical communications in harsh environments.

It is equipped with (4) 2.5G-rated copper Ethernet ports, and (2) dual-rated 1G/10G SFP+ Ethernet ports for accommodating all industrial and enterprise network bandwidth needs.

This Ethernet switch is DIN rail mountable, hardened to operate in -40°C to 75°C (-40°F to +158°F) conditions, and covered by our 5 Year Warranty.

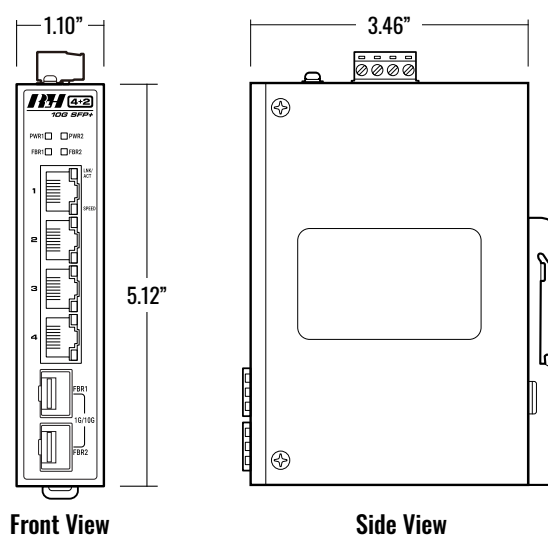


4+2 Unmanaged Multi-Gigabit SFP+

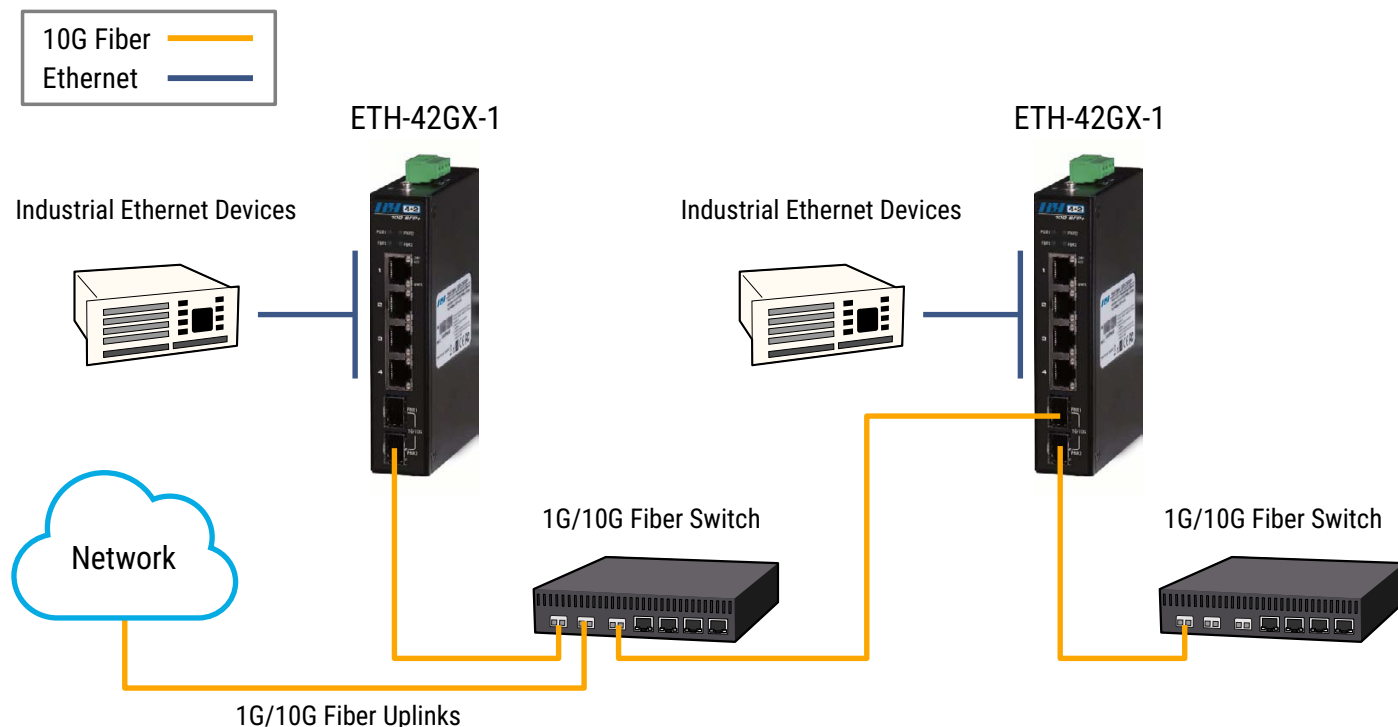
Features

- 4 Copper Ports, 10/100/1000/2500Mbps Ethernet
- 2 SFP/SFP+ Ports, 1G/10G Ethernet
- Ethernet Flow Control (IEEE 802.3x)
- Rugged IP-40 housing design
- DIN Rail mountable
- RoHS Compliant, FCC Part 15 B Class A, CE
- Hardened to operate in -40°C to +75°C (-40°F to +167°F)
- 12~48VDC dual redundant power inputs
- Covered by our 5 year warranty

Dimensions



Application



General Specifications

Power:	Power Input	12~48VDC redundant power inputs (4 position pluggable terminal block)		
	Consumption (typ.)	<10W		
	Current Overload and Polarity Protection			
Stability Testing:	IEC60068-2-6 (Vibration), IEC60068-2-27 (Shock), IEC60068-2-31 (Free Fall)			
EMC Standards:	CE EMC (EN 55035, EN 55032), FCC Part 15 B Class A			
EMI Standards:	EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15 B Class A			
Ethernet Standards:	IEEE 802.3 10Base-T (Ethernet)		IEEE 802.3x Flow control	
	IEEE 802.3u 100Base-TX (Fast Ethernet)		IEEE 802.3z 1000Base-X (Gigabit Ethernet/Fiber)	
	IEEE 802.3ab 1000Base-T (Gigabit Ethernet/Copper)		IEEE 802.3ae 10GBase-X (10G Ethernet/Fiber)	
	IEEE 802.3bz 2.5GBase-T (2.5Gbps Ethernet)			
EMS Standards:	IEC/EN61000-4-2 (ESD)	IEC/EN61000-4-3 (RS)	IEC/EN61000-4-4 (EFT)	EN61000-4-5 (Surge)
	IEC/EN61000-4-6 (CS)	IEC/EN61000-4-8 (PFMF)IEC/	IEC/EN61000-4-11 (Dips)	
Jumbo Frame:	16K			
MAC Table Size:	8K			



General Specifications (cont.)

LEDs:	Power Input Status	PWR1/PWR2:	Green for sufficient power
	Copper Ethernet Port	LNK/ACT:	Solid green for successful link, blinking green for Ethernet activity
		SPEED:	Green for 2.5Gbps link, Amber for 1Gbps link, Off for 10/100Mbps link
	SFP/SFP+ Port	FBR1/FBR2:	Green for successful link
Environment:	Operating Temperature	-40°C to 75°C (-40°F to 167°F)	
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)	
	Operating Humidity	5 ~ 90% (Non-Condensing)	
	Operating Altitude	Up to 2000m	
Construction:	Metal, IP40 protection		
Dimensions:	1.10" (W) x 3.46" (D) x 5.12" (H), (28mm x 88mm x 130mm) *Not including connectors or DIN bracket		
Mounting:	Standard DIN rail (TS-35)		
Weight:	1.00 lbs. / 0.45 kg		
Warranty:	5 Years - Visit www.fiberopticlink.com for warranty information and coverage details		

Ordering Information

Description	Part Number
4+2 Unmanaged 10/100/1G/2.5G Industrial Ethernet Switch, SFP+(1G/10G) ports 12-48VDC	ETH-42GX-1

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